

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LeCluyse, Edward L., et al. Group Art Unit: 1651

Serial No.: 09/527,352 Examiner: Afremova, V.

Filed: March 17, 2000 Docket No.: 421/17/2

For: METHOD OF SCREENING CANDIDATE COMPOUNDS FOR  
SUSCEPTIBILITY TO BILIARY EXCRETION

\* \* \* \* \*

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Deleted text is enclosed in brackets ( [ ] ). Added text is underlined.

IN THE CLAIMS:

Please cancel claims 1-11, 13-23, and 39-66.

Please amend claim 25 as follows:

25. (Twice Amended) A method of screening a candidate compound  
*in vitro* for susceptibility to *in vivo* biliary excretion by an endogenous sinusoidal  
or canalicular transport system, or by both sinusoidal and canalicular transport  
systems, the method comprising the steps of:

- (a) providing a culture of hepatocytes, the culture comprising  
at least one bile canaliculus;
- (b) simultaneously exposing a candidate compound and a pre-selected amount of a marker compound that is a substrate  
for an endogenous sinusoidal or canalicular transport  
system, or for both sinusoidal and canalicular transport  
systems to the culture for a time sufficient to allow uptake;

see original claims 37  
see page 24

new  
new  
original

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